

X is not Z,

Y_1 and Y_2 are, independently from each other, CR_1R_2 ,

R_1 and R_2 are, independently from each other, H, C_1 - C_4 alkyl, C_1 - C_4 alkoxy or C_1 - C_4 acyloxy,

i, j, and k are, independently from each other, an integer in the range from 1 to 10,

the total number of C atoms in Y_1 and Y_2 , the C atoms of R_1 and R_2 not included, is in the range of 2 to 100,

Q is a hydrophilic atom or group selected from the group consisting of O, NH, C=O, O-C=O and CR_3R_4 ,

R_3 and R_4 are, independently from each other, selected from the group consisting of H, OH, C_1 - C_4 alkoxy and C_1 - C_4 acyloxy, and

R_3 and R_4 are not H at the same time;

wherein when $Q = NH$, Z is not NH_2 ; and

wherein when $k > 1$, the Q's for each $[(Y_1)_i-Q-(Y_2)_j]_k$ are independently selected from each other.

15. (Twice Amended) Process for the detection of a biomolecule which is a partner of a specifically interacting system of complementary binding partners, comprising the steps of:

- a) contacting a surface according to claim 10 with a sample suspected to contain the complementary binding partner,
- b) removing non-specifically bound sample components in a washing step, and

- c) detecting specifically bound sample components.

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16. (Amended) Process according to claim 15 wherein for said detecting, a colored, fluorescent, bioluminescent, chemoluminescent, phosphorescent or radioactive label; an enzyme; an antibody or a functional fragment or derivative thereof, a protein A/gold based system; a biotin/avidin/streptavidin based system; or an enzyme electrode based system is used.

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17. (Twice Amended) Process for the isolation of a biomolecule which is a partner of a specifically interacting system of complementary binding partners, comprising the steps of:
- a) contacting a surface according to claim 10 with a sample suspected to contain the biomolecule complementary binding partner,
 - b) removing non-specifically bound sample components in a washing step, and, optionally,
 - c) eluting specifically bound sample components.

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18. (Twice Amended) A method of affinity chromatography comprising the steps of:
providing a surface according to claim 10 as an affinity matrix; and
performing affinity chromatography with the affinity matrix.

19. (Twice Amended) A method of detecting a biomolecule comprising the steps of:
- BS cont* providing a sensor chip or biochip comprising a surface according to claim 10 ; and
- detecting a biomolecule with the sensor chip or biochip.